

START

0016287

NONRADIOACTIVE DANGEROUS WASTE LANDFILL

INTERNAL SHIPPING DOCUMENTS - MANIFESTS

CATEGORIZED PACKAGE

FOR YEAR 1976



[illegible]

1. The file copy of the Nonradioactive Dangerous Waste Landfill (NRDWL) disposal records for the operational years 1975 through 1985 were reviewed and assembled into waste disposal packets.
3. A waste disposal packet number is composed of the letter P (for packet), the last two digits of the year in which disposal took place, and a consecutively assigned three digit number starting with 001 for the first packet of each year (i.e. P75-001 or P83-001)
2. Generally, the disposal record packages contain information on the waste that was disposed only at the NRDWL. However, some waste disposal events have final disposal locations other than NRDWL, have unconfirmed disposal locations or have two or more final (partial) disposal locations. Other final disposal locations consist of the 2727-S/200W Offsite Staging Facility, United Nuclear Industries Landfill, Hanford Solid Waste Landfill, Hanford sanitary trenches, 200W burial area, or unidentified offsite locations. Retained in this document are those disposal events that identify the NRDWL as a final, partial or a uncertain disposal location. All disposal events having been identified as having been disposed of at an other facility either entirely or partially have been forwarded to that particular facility.
3. Records documenting disposal for a given year were assigned page numbers in the initial submittal of the file copy, "Manifest Records for Year 1976", on February 14, 1991. Records are numbered consecutively for each year beginning with 0000001. Generally all documents relating to a single disposal event are arranged in consecutive order. Occasionally, however, disposal packets contain related documents out of consecutive order. Some pages are related to more than one disposal event and appear in more than one waste disposal packet.
4. A cross reference table exists for this document which identifies the packet number, disposal date, file copy page numbers (from the original submittal), final disposal location, and trench number.

6

P76-001

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME John Fouts TELEPHONE 2-2457

BUILDING/AREA 700E/FURX

II. IDENTIFICATION OF MATERIAL

TRADE NAME Septic tank effluent 1400 gal.

CHEMICAL NAME _____

STORAGE LOCATION 2707 BY Drain field

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO ☒

III. PACKAGING

LIQUID ☒ SOLID _____ GAS _____

NUMBER OF CONTAINERS _____ WEIGHT _____ EA. VOLUME _____ EA.

TYPE OF CONTAINER _____ AGE OF CONTAINER _____

IV. REASON FOR DISPOSAL

Relief for plugged Septic Tank

V. DATE DISPOSAL REQUIRED

1/5/76

VI. COMMENTS

APPROVED FOR DISPOSAL

BY [Signature]

DATE 1/5/76

DISPOSAL LOCATION Land Fill - Chemical-trouch

BY Robert H. [Signature]

DATE 1-5-76

0000002

DISPOSAL PACKET NUMBER

P76-002

9112100000



DATE April 1, 1976
TO → JL Calder, ARHCO

DISTRIBUTION:

AE Brown
KR Price, ARHCO
HF Tew
File

FROM

EA Weakley

SUBJECT WASTE CHEMICAL DISPOSAL

On October 3, 1975, you sent me a list of some of the liquid waste chemicals that ARHCO would like to dispose of in UNI's waste facility. Of the 12 items on the list, only one was processed through UNI (9 55-gallon drums of synthetic salt solution) and one was removed from the list for future use by ARHCO (660 gallons of $\text{Cd}(\text{NO}_3)_2$ solution). The remaining items you had listed and our sampling requirements are as follows:

<u>Chemical</u>	<u>Quantity, gal.</u>
* Turco Contan-AFF-1	5
* Turco 5106	55
* Turco Contan-AFF Perminate	55
* Gluconic Acid	10
* 50% Polyringl Compound	15
* Jefferson Firesorb TM	5
* Zep S.F.-966	35
** Sulfuric Acid	51
** AgNO_3 Solution	10
** Phosphoric Acid	600

- * Will require a sample for compatibility tests and heavy metals.
- ** Would require a sample if it is a used solution.

In addition, we have disposed of 299 gallons of used battery acid from ARHCO's 1171 and 234-5 Bldgs and have the approvals for disposing of 70 gallons of used battery acid from the 284-E and 284-W Bldgs.

We have extended our disposal service to readily water soluble solid chemicals that are compatible with our chemical wastes. Some of the salts, acids and bases we have disposed of or have approval to dispose of are: oxalic acid, citric acid, sulfamic acid, CrO_3 , KMnO_4 , NaOH , $\text{Na}_2\text{S}_2\text{O}_4 \cdot \text{H}_2\text{O}$, Na_2SO_3 , $\text{Na}_2\text{HAsO}_4 \cdot 7\text{H}_2\text{O}$, NaNO_3 , $(\text{NH}_4)_2\text{HPO}_4$ and proprietary cleaning compounds containing solid acids, bases and EDTA.

When submitting samples to UNI for compatibility tests, I would suggest using a 4 oz. plastic bottle for liquids and a 4 oz. wide mouth glass or plastic bottle for solids.

If you have any other questions, please give me a call.

0000001

DISPOSAL PACKET NUMBER

P76-003

9112110030

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME W W BIGLIN TELEPHONE 2-3930

BUILDING/AREA 335 / 300

II. IDENTIFICATION OF MATERIAL

TRADE NAME SODIUM OXIDES / Hydroxides

CHEMICAL NAME "

STORAGE LOCATION 3718 F

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES NO X

III. PACKAGING

LIQUID NO SOLID X GAS NO

NUMBER OF CONTAINERS 25 WEIGHT 25 EA. VOLUME NO EA.

TYPE OF CONTAINER 55 GAL DRUM AGE OF CONTAINER NO

IV. REASON FOR DISPOSAL

Drums (scrap metal) contain sodium oxides, film which form after drum has been cleaned.

V. DATE DISPOSAL REQUIRED

4-21-76

VI. COMMENTS

Sodium oxides / Hydroxide Toxic to skin, wear gloves and eye protection while handling.
WASH FACE & HANDS AFTER HANDLING

APPROVED FOR DISPOSAL

BY J. J. White

DATE 4-20-76

DISPOSAL LOCATION Chemical Truck

BY L. K. Alexander

DATE 4-21-76

0000005

DISPOSAL PACKET NUMBER

P76-004

911210032

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME T. J. McLaughlin TELEPHONE 946-2737

BUILDING/AREA OSB/3000

II. IDENTIFICATION OF MATERIAL

TRADE NAME _____

CHEMICAL NAME Bromo-napthalene

STORAGE LOCATION PSL

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO X

III. PACKAGING

LIQUID X SOLID _____ GAS _____

NUMBER OF CONTAINERS 1 WEIGHT 3 lbs EA. VOLUME _____ EA.

TYPE OF CONTAINER glass AGE OF CONTAINER _____

IV. REASON FOR DISPOSAL

Old, no longer useful chemical.

V. DATE DISPOSAL REQUIRED

5/1/76

VI. COMMENTS

APPROVED FOR DISPOSAL

BY J. J. Caldwell

DATE 4-2-76

DISPOSAL LOCATION _____

BY _____

DATE _____

0000003

DISPOSAL PACKET NUMBER

P76-005

9112
00034

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME T. J. McLaughlin TELEPHONE 946-2737

BUILDING/AREA OSB/3000

II. IDENTIFICATION OF MATERIAL

TRADE NAME _____

CHEMICAL NAME Carbon tetrachloride

STORAGE LOCATION PSL

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO X

III. PACKAGING

LIQUID X SOLID _____ GAS _____

NUMBER OF CONTAINERS 1 WEIGHT _____ EA. VOLUME 5 gal EA.

TYPE OF CONTAINER _____ AGE OF CONTAINER _____

IV. REASON FOR DISPOSAL

Old and safety hazard

V. DATE DISPOSAL REQUIRED

5/1/76

VI. COMMENTS

There is no other disposal option.

APPROVED FOR DISPOSAL

BY [Signature]

DATE 4-2-76

DISPOSAL LOCATION _____

BY _____

DATE _____

0000004

DISPOSAL PACKET NUMBER

P76-006

911200036

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME TERRY J VOLKMAN TELEPHONE 2-6590

BUILDING/AREA 1100/1166

II. IDENTIFICATION OF MATERIAL

TRADE NAME 37% HYDROCHLORIC & 70% NITRIC ACID

CHEMICAL NAME _____

STORAGE LOCATION CDC INSPECTION 1166

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO X

III. PACKAGING

LIQUID X SOLID _____ GAS _____

NUMBER OF CONTAINERS 2 WEIGHT 6+7 LBS EA. VOLUME _____ EA.

TYPE OF CONTAINER GLASS AGE OF CONTAINER UNKNOWN

IV. REASON FOR DISPOSAL

NOT NEEDED IN THIS AREA.

V. DATE DISPOSAL REQUIRED

5-1-76

VI. COMMENTS

APPROVED FOR DISPOSAL

BY _____

DATE _____

DISPOSAL LOCATION _____

BY _____

DATE _____

0000006

DON'T SAY IT ... Write It!

DATE 5-4-76

TO TERRY BELKMAN

FROM John Calder

Could you please fill in this form and return to
me at 2719 WA/2001. THANKS

TO MAKE LIFE LAST, PUT SAFETY FIRST

DON'T SAY IT ... Write It!

DATE _____

TO _____

FROM _____

TERRY BELKMAN
26590
1166/231

TO MAKE LIFE LAST, PUT SAFETY FIRST

0000007

DISPOSAL PACKET NUMBER

P76-007

0 1 2 3 4 5 6 7 8 9

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME R.F. Hultman/T.J. McLaughlin TELEPHONE 942-3045, 946-2737

BUILDING/AREA 331/300 OSB/3000

II. IDENTIFICATION OF MATERIAL

TRADE NAME See enclosed sheet

CHEMICAL NAME _____

STORAGE LOCATION 331 Bldg. 2nd floor (now); Will be on loading dock

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO X

III. PACKAGING

LIQUID _____ SOLID X GAS _____

NUMBER OF CONTAINERS 1 WEIGHT ~100 EA. VOLUME 2 ft.³ EA.

TYPE OF CONTAINER 55 gallon drum AGE OF CONTAINER ~5 years

IV. REASON FOR DISPOSAL

Old, no longer useful reagent grade chemicals

V. DATE DISPOSAL REQUIRED

~May 15, 1976

VI. COMMENTS

Chemicals (all solids) will be packaged with vermiculite in 55
gallon drum

APPROVED FOR DISPOSAL

BY 12/11/76

DATE 12/11/76

DISPOSAL LOCATION Chemical dump

BY 12/11/76

DATE 5-19-76

0000009

Acid Aminonaphthol-Sulfonic	250 gm
Aluminum Sulfate	1/2 lb
1-Amino-2-Naphthol-4-Sulfonic Acid	50 gm
Ammonium Acetate	50 gm
Ammonium Formate	200 gm
Ammonium Phosphate-dibasic	2/4 lb
Ammonium Sulfamate	500 gm
Aniline Hydrochloride	100 gm
p-Bromaniline	100 gm
Brucine Sulfate	70 gm
Calcium Nitrate	1/2 lb
Chloroanilic Acid	50 gm
DL-Citrulline	25 gm
p-Dimethylamino Benzaldehyde	
Ethylenediamine Dihydrochloride	500 gm
1-Hydroxy-2-acetonaphthone	50 gm
1-Hydroxy-2-naphthoic Acid	400 gm
Lithium Nitrate Crystal	1/2 lb
Lloyd Reagent Alkaloid	1/2 lb
Magnesium Nitrate	1 lb
Manganous Sulfate	1/2 lb
Naphthol	100 gm
p-Nitroaniline	100 gm
Phenyl Mercury Chloride	1/4 lb
Potassium Citrate	1/4 lb
Quinidine Sulfate	1 oz
Rosin	1/2 lb
Sodium Bromide	1/2 lb
Sodium Formate	1/4 lb
Sodium Molybdate	2 1/2 lb
Succinic Acid Disodium Salt	200 gm
Sulfo Salicylic Acid	
Trikete hydrindene	5 gm
Tripyridine	2 gm
2,4-D	100 gm
Ferric Chloride	1/4 lb
1-10-(ortho) Phenanthralin	
Monohydrate	100 gm
p-Toluene Sulfonic Acid	250 gm

JLC:pvb
5/12/76

0000010

May 12, 1976

Battelle Memorial Institute
Pacific Northwest Laboratories
Richland, Washington 99352

Attention: Mr. T. J. McLaughlin, Engineer
Environmental Evaluations/Waste Disposal
Occupational & Environmental Safety

Subject: DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

Gentlemen:

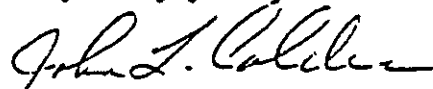
Attached is a revised list of waste chemicals that is approved for burial. Each item must be plastic bagged prior to packing in vermiculite and sealed in a drum. I have excluded the following five items: 1) m-Dinitrobenzene, 2) magnesium metal, 3) acetylcholine bromide, 4) 8-hydroxy quinolene, and 5) sodium chromate-crystal.

We cannot accept item 1 because it is of an explosive nature; item 2 should be resubmitted separately with more information as to packaging, etc.; items 3, 4, and 5 are carcinogens and require concrete encasement before burial in the landfill. If you have any knowledge of other explosives or carcinogens on the attached list, please remove them prior to burial. As you know, M. E. Clark (942-6178) ARHCO TUMS, must be contacted for transportation and landfill burial arrangements.

For your information, the references I normally use to determine the hazards associated with waste chemicals are "Dangerous Properties of Industrial Materials" by N. Irving Sax and "Toxic and Hazardous Industrial Chemicals Safety Manual" edited by the International Technical Information Institute.

If you have any questions, please do not hesitate to telephone me at 942-2251.

Very truly yours,



J. L. Calder
Environmental Engineer
Environmental & Occupational Safety

JLC:pvb

Atts.(2)

0000011

DISPOSAL PACKET NUMBER

P76-008

91121743044

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

RECEIVED

JUL 14 1976

INSTRUCTIONS

Complete this request by providing all available information in the space provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

ENVIRONMENTAL
PROTECTION AGENCY

I. CUSTODIAN

NAME L. L. Lusk TELEPHONE 2-3012

BUILDING/AREA 325/300

II. IDENTIFICATION OF MATERIAL

TRADE NAME _____

CHEMICAL NAME Paraffin

STORAGE LOCATION 326 Bldg

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO X

III. PACKAGING

LIQUID _____ SOLID X GAS _____

NUMBER OF CONTAINERS 1 WEIGHT 1147 EA. VOLUME 30 EA.

TYPE OF CONTAINER Drum AGE OF CONTAINER Unknown
(~5 yr)

IV. REASON FOR DISPOSAL

Not in use. It is known as a
minor feature. Not connected to
recycling.

V. DATE DISPOSAL REQUIRED

6/25/76

VI. COMMENTS

APPROVED FOR DISPOSAL

BY L. L. Lusk

DATE 6-18-76

DISPOSAL LOCATION

Central Land Fill

BY McClain

DATE 6-24-76

0000012

DISPOSAL PACKET NUMBER

P76-009

9112200946

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME JACK HOGAN TELEPHONE 2-2746

BUILDING/AREA 2713-E

II. IDENTIFICATION OF MATERIAL

TRADE NAME _____

CHEMICAL NAME CADMIUM NITRATE SOLUTION (50%)

STORAGE LOCATION 275-EA

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO ☒

III. PACKAGING

LIQUID ☒ SOLID ☒ GAS _____

NUMBER OF CONTAINERS 4 WEIGHT 55 EA. VOLUME 95 EA. CST.
600 FT.
TOTAL

TYPE OF CONTAINER 405 wooden pallets AGE OF CONTAINER _____

IV. REASON FOR DISPOSAL

WASTE FROM LEAKY DRUMS
PALLETS WETTED BY SOLUTION

V. DATE DISPOSAL REQUIRED

7/12/76

VI. COMMENTS

Drums (3) are virtually empties w/ small heels.
(1) Drums contains cleanup items, sweeping compound,
Rubber gloves & shoes, rags, pail, mop etc.

APPROVED FOR DISPOSAL

BY [Signature]

DATE 7-12-76

DISPOSAL LOCATION CENTRAL LAND FILL

Chemical Disposal Trench

BY [Signature]

DATE 7/12/76

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL.

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME JACK HOGAN TELEPHONE 2-2746
BUILDING/AREA 2713-E

II. IDENTIFICATION OF MATERIAL

TRADE NAME _____
CHEMICAL NAME CADMIUM NITRATE SOLUTION (50%)
STORAGE LOCATION 275-EA
CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO ☒

III. PACKAGING

LIQUID ☒ SOLID ☒ GAS _____
NUMBER OF CONTAINERS 4 WEIGHT 55 EA. VOLUME 95 EA. CST.
600 FT.
TOTAL
TYPE OF CONTAINER 4 - 55 GAL. DRUMS AGE OF CONTAINER _____

IV. REASON FOR DISPOSAL

WASTE FROM LEAKY DRUMS
PALLETS WETTED BY SOLUTION

V. DATE DISPOSAL REQUIRED

7/12/76

VI. COMMENTS

Drums (3) are virtually empties w/ small heels.
(1) Drums contains cleanup items, sweeping compound,
Rubber gloves & shoes, Rags, pail, mop etc.

APPROVED FOR DISPOSAL

BY [Signature]

DATE 7-12-76

DISPOSAL LOCATION CENTRAL LAND FILL

CHEMICAL DISPOSAL TRENCH

BY [Signature]

DATE 7/12/76

DISPOSAL PACKET NUMBER

P76-010

911210049

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

RECEIVED

INSTRUCTIONS

JUL 26 1976

Complete this request by providing ~~advisable~~ ^{adequate} information in the spaces provided. Fold, staple, and return ~~completed~~ ^{completed} form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME L L Burger TELEPHONE _____

BUILDING/AREA 325/300 Rm 517

II. IDENTIFICATION OF MATERIAL

TRADE NAME _____

CHEMICAL NAME Cyclopentane ~500g

STORAGE LOCATION Hood, Rm 517

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO X

III. PACKAGING

LIQUID X . SOLID _____ GAS _____

NUMBER OF CONTAINERS 1 WEIGHT 1 lb EA. VOLUME pt EA.

TYPE OF CONTAINER metal can AGE OF CONTAINER ~10 yrs }

IV. REASON FOR DISPOSAL

Deteriorated, oxidized, contaminated
(chemically), unusable

V. DATE DISPOSAL REQUIRED

request by J. Thos
7-3012

VI. COMMENTS

APPROVED FOR DISPOSAL
BY _____

DATE _____

DISPOSAL LOCATION _____

BY _____

DATE _____

0000013

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

RECEIVED

INSTRUCTIONS

JUL 26 1976

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME L L Burger TELEPHONE _____

BUILDING/AREA 325/300 Rm 517

II. IDENTIFICATION OF MATERIAL

TRADE NAME _____

CHEMICAL NAME Cyclopentane ~500g

STORAGE LOCATION Hood, Rm 517

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO X

III. PACKAGING

LIQUID X . SOLID _____ GAS _____

NUMBER OF CONTAINERS 1 WEIGHT 1 lb EA. VOLUME pt EA.

TYPE OF CONTAINER metal can AGE OF CONTAINER ~10 yr

IV. REASON FOR DISPOSAL

Deteriorated, oxidized, contaminated
(chemically), unusable

V. DATE DISPOSAL REQUIRED

request by L L Burger
7-30-76

VI. COMMENTS

APPROVED FOR DISPOSAL
BY _____

DATE _____

DISPOSAL LOCATION _____

BY _____
DATE _____

0000015

DISPOSAL PACKET NUMBER

P76-011

9112110052

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

RECEIVED

INSTRUCTIONS

JUL 26 1976

Complete this request by providing ^{ENVIRONMENTAL} ~~PROTECTION~~ ^{PROTECTION} available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME L. L. Surgen TELEPHONE _____

BUILDING/AREA 37.5/300

II. IDENTIFICATION OF MATERIAL

TRADE NAME Karl Fisher Reagent

CHEMICAL NAME _____

STORAGE LOCATION Flood Box 517

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO X

III. PACKAGING

LIQUID X . SOLID _____ GAS _____

NUMBER OF CONTAINERS 1 WEIGHT _____ EA. VOLUME 30 EA.

TYPE OF CONTAINER glass acid bottle AGE OF CONTAINER 1 month

IV. REASON FOR DISPOSAL

Contaminated, not usable

V. DATE DISPOSAL REQUIRED

Request by L. L. Surgen
2-3012

VI. COMMENTS

APPROVED FOR DISPOSAL

BY J. L. Leland

DATE 8-3-76

DISPOSAL LOCATION Chemical Trench,

Central Landfill

BY _____

DATE _____

0000016

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

RECEIVED

JUL 26 1976

INSTRUCTIONS

ENVIRONMENTAL
PROTECTION SECTION

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME L. T. Berger TELEPHONE _____

BUILDING/AREA 325 / 300

II. IDENTIFICATION OF MATERIAL

TRADE NAME _____

CHEMICAL NAME Hexafluorophosphoric acid 65

STORAGE LOCATION Head Rm 517

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO X

III. PACKAGING

LIQUID X . SOLID _____ GAS _____

NUMBER OF CONTAINERS _____ WEIGHT _____ EA. VOLUME _____ EA.

TYPE OF CONTAINER Plastic Bottle AGE OF CONTAINER 16 years

IV. REASON FOR DISPOSAL

Not deteriorated, not usable

V. DATE DISPOSAL REQUIRED

*request by L. T. Berger
2-30-76*

VI. COMMENTS

APPROVED FOR DISPOSAL

BY Refused

DATE _____

DISPOSAL LOCATION _____

BY _____

DATE _____

0000017

9112 0054

Atlantic Richfield Hanford Company
Federal Building
Richland, Washington 99352
Telephone 509 942-7411



August 3, 1976

Hanford Engineering Development
Laboratory
Richland, Washington 99352

Attention: Mr. L. E. Lust

Subject: REQUEST FOR DISPOSAL OF NONRADIOACTIVE
HAZARDOUS MATERIAL

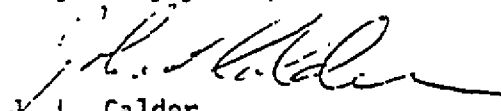
Dear Len:

I can not approve disposal of the hexafluorophosphoric acid in the chemical trench at the central landfill, as it is too reactive in its present state. I suggest you contact Mr. E. A. Weakley at United Nuclear Industries; maybe he can be of some assistance.

The Karl Fisher Reagent can be buried if the proper precautions are taken. The burial container must be lined with a plastic bag. The reagent bottle can then be placed in the container along with an absorbant material (e.g. vermiculite) and sealed. Label the container "Hazardous Chemical Waste, Do Not Open".

When you are ready to dispose of the material, contact Mr. M. E. Clark, at 942-6178. The original disposal request must accompany the material to the landfill. The person that performs the burial must sign the request and return it to me.

Very truly yours,


J. L. Calder
Environmental Protection Engineer

Atts. (2)

cc: JL Calder, w/atts.
ME Clark, w/o atts.
JV Panesko, w/o atts.

0000018

DISPOSAL PACKET NUMBER

P76-012

9112'00056

✓ REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

ALCO.

NAME Product Handling and Special Service TELEPHONE 2 - 2220

BUILDING/AREA 221-T 200 - W

II. IDENTIFICATION OF MATERIAL

TRADE NAME See attached listing and F.D.A. papers No. 76 - 287

CHEMICAL NAME 1 lot miscellaneous Chemicals

STORAGE LOCATION 221-T Pipe Gal.

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES NO XXXX

III. PACKAGING

LIQUID SOLID GAS

NUMBER OF CONTAINERS WEIGHT EA. VOLUME EA.

TYPE OF CONTAINER AGE OF CONTAINER

IV. REASON FOR DISPOSAL

Broken drums and unable to handle at excess yard.

V. DATE DISPOSAL REQUIRED.

April - - 1976

VI. COMMENTS

APPROVED FOR DISPOSAL

BY J. J. Calahan

DATE 8-12-76

DISPOSAL LOCATION

Central Landfill,

Chemical Trench

BY

DATE

0000020

Atlantic Richfield Hanford Co.
NAME OF CONTRACTOR

CONTROL NO.

AHD 76-257

CROSS CONTROL NO.

PROPERTY DISPOSAL REQUEST

PART I - DESCRIPTION OF PROPERTY AND REASON FOR DISPOSAL

ITEM NO.	QTY.	UNIT	INCLUDE IDENTIFICATION NUMBERS, SUCH AS HW, EQUIPMENT PIECE, SERIAL NOS, BUILDING FROM WHICH REMOVED, PROJECT AFFECTED, ETC.	UNIT ACC. VALUE	ACCOUNTING USE ONLY TOTAL VALUE	PROPERTY MGT. USE ONLY DISPOSE OF AS *
One	One	Lot	miscellaneous Miscellaneous Chemicals			#5 & #6

* DISPOSITION SYMBOLS

1 - EXCESS

3 - SCRAP

5 - DESTROY

2 - SALVAGE

4 - BURY

6 - OTHER (EXPLAIN)

REASON FOR DISPOSAL (IF CONTAMINATED, ATTACH RADIATION SURVEY REPORT.)

Miscellaneous Chemicals that have accumulated in the 221-T building that are parts of container that excess don't
 to a way of getting rid of and will have to be disposed with Environmental Protection approval.

E. and O. E. approval papers attached,
 Chemical listing attached.

THE PROPERTY LISTED ABOVE - ☒ IS ☐ IS NOT - TOXIC TO HUMANS, ANIMALS OR THE ENVIRONS.

COMPONENT	DATE	LOCATION OF MATERIAL
Product Handling and Special Services	3/30/76	221-T 200 - W
ORIGINATOR	BUILDING	PHONE
V. S. Payne	221-T	824-2220 2 - 2220
RM CLEARANCE FOR PUBLIC SALE	SURVEY NO.	DATE

SIGNATURE OF REQUESTING AUTHORITY

L. L. Short - Manager, Production Handling and Special Services

PART II - INVESTIGATION

AN INVESTIGATION HAS BEEN MADE AND DISPOSITION INSTRUCTIONS HAVE BEEN OBTAINED IN PART I ABOVE.

PART IV - APPROVAL

DISPOSITION OF THE ABOVE PROPERTY OR MATERIALS IN ACCORDANCE WITH THE ABOVE RECOMMENDATIONS IS APPROVED

SIGNATURE OF APPROVING OFFICIAL

DATE

PART III - DISPOSITION RECEIPT

DATE

PART V - INVENTORY CONTROL

IN THE CASE OF INVENTORY MATERIALS DESIGNATE BY ITEM NUMBER ABOVE ACCOUNT TO BE RELIEVED AND OFFSETTING ACCOUNT TO BE CHARGED

DISPOSED OF PER INSTRUCTIONS IN PART I (BY)

DATE

ITEM NO.

DEBIT ACCOUNT

CREDIT ACCOUNT

NOTE THE SIGNATURE FOR RM CLEARANCE AND THE SURVEY
 NUMBER MUST BE OBTAINED THE SAME DAY AS THE ARRIVAL
 OF THE PROPERTY AT THE STORAGE SAFF YARD

0000021

91120022
* Foam Concentrate
* Butvar BR 50%
* Pluconic Acid
* Versenex 80
Sodium Gluconate
* Rodine #214
Rodine 92-A
Methyl Violet
Oil Blue A (Dye)
Zef-Pure
Fire-Sord
Petrogon

2 drums
3 drums
partially full
1 drum
1 sack
1 drum

1 bottle
1 drum

5 gal. ea.
40 lb. ea.
10 gal. drum
55 gal. drum
100 lb.
10 gal. drum
2 liters
10 lb.
15 lb.
1.5 gal.
5 lb.
7 gal. drum

0000022



Date: August 12, 1976
To: V. S. Bayne
From: J. L. Calder, 2-2251 *J. L. Calder*
Subject: REQUEST FOR DISPOSAL OF HAZARDOUS MATERIALS

The attached list indicates which chemicals can be buried at the Central Landfill Chemical Trench. Items listed with an asterisk (*) can be buried in their original containers if the containers are capable of being sealed. Items not marked should be packed in a barrel that is lined with a plastic bag and vermiculite (or equivalent) used as the packing material. The barrel should then be sealed and labeled to indicate that it contains hazardous chemical waste and should not be opened.

When you are ready for burial contact M. E. Clark at 2-6178 for transportation and burial.

JLC:mrn

cc: JV Panesko

John Calder ←

0000023

DISPOSAL PACKET NUMBER

P76-013

1
5
0
0
9
9
1
2
7
1
1
6

John C. D'Arcy
271941 20041

✓
REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to, Environmental Protection.

I. CUSTODIAN

NAME W. W. BIGLIN TELEPHONE 2-3930

BUILDING/AREA 335 TR-1 300 AREA WNC

II. IDENTIFICATION OF MATERIAL

TRADE NAME 55 Gallon Drum Sodium shavings containers

+ Random lengths of tubing
CHEMICAL NAME SODIUM SODIUM HYDROXIDE

STORAGE LOCATION 3718 F

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES NO X

III. PACKAGING

LIQUID . SOLID X GAS

NUMBER OF CONTAINERS WEIGHT EA. VOLUME EA.

TYPE OF CONTAINER 55 Gal. Drum AGE OF CONTAINER —

IV. REASON FOR DISPOSAL

Material accumulated during sodium waste disposal activity and contains Sodium oxide and Hydroxide residue

V. DATE DISPOSAL REQUIRED

VI. COMMENTS

All material has been cleaned of sodium by DEWAL & water. Protective clothing - ie gloves face shields should be worn while handling.

APPROVED FOR DISPOSAL

BY J. J. [Signature]

DATE 8-31-76

DISPOSAL LOCATION Chemical Trench

Central Landfill

BY

DATE 0000024

Atlantic Richfield Hanford Company
Federal Building
Richland, Washington 99352
Telephone 509 942-7411



September 1, 1976

Westinghouse Hanford Company
Hanford Engineering Development Laboratory
Richland, Washington 99352

Attention: W. W. Biglin

Gentlemen:

Your request for disposal of sodium contaminated drums has been approved. Please contact Mr. M. E. Clark at 942-6178 to make arrangements for transportation and burial. The original disposal request must be signed by the operator performing the burial and returned to me at 222-T Building, 200 West Area.

Very truly yours,

J. L. Calder
Environmental Protection Engineer

JLC:mmm

Att.

cc: JL Calder, w/att.
ME Clark, w/att.
RI Grob, w/att.
JV Panesko, w/o att.

0000025

DISPOSAL PACKET NUMBER

P76-014

9112110034

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME JOHN FUNK TELEPHONE 2-2424
BUILDING/AREA 222 T - 200 W. OUTSIDE SE CORNER

II. IDENTIFICATION OF MATERIAL

TRADE NAME Redox 10-214 ^{10gals} 5 gal 14-EXTREM
CHEMICAL NAME _____
STORAGE LOCATION outside 222-T
CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO No

III. PACKAGING

LIQUID _____ SOLID ☒ GAS _____
NUMBER OF CONTAINERS 1 WEIGHT 50 lbs EA. VOLUME 55 ^{gal. drum} EA.
TYPE OF CONTAINER 55 gal. drum AGE OF CONTAINER 7

IV. REASON FOR DISPOSAL

Material is obsolete and no longer needed for production

V. DISPOSAL METHOD

VI. COMMENTS

No other containers are to be placed in this empty 55 gal. drum and packed in reusable drum

APPROVED FOR DISPOSAL
DATE _____

DATE 10/11/71 BY John Funk

0000032

DISPOSAL PACKET NUMBER

P76-015

9112710066

✓
REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME Kemp Rotan TELEPHONE 946-2393

BUILDING/AREA EDL/3000

II. IDENTIFICATION OF MATERIAL

TRADE NAME "Thermal Bestos"

CHEMICAL NAME Asbestos

STORAGE LOCATION 186-D

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES NO X

III. PACKAGING

LIQUID SOLID X GAS

NUMBER OF CONTAINERS WEIGHT EA. VOLUME 150.3 ³ (total) EA.

TYPE OF CONTAINER Presently in card-board AGE OF CONTAINER ~ 5 years

IV. REASON FOR DISPOSAL

Unused pieces of asbestos

V. DATE DISPOSAL REQUIRED

May 31, 1976

VI. COMMENTS

This waste unused pieces of asbestos that is not used in present operations.

APPROVED FOR DISPOSAL

BY J. J. Calhoun

DATE 9-29-76

DISPOSAL LOCATION Asbestos Landfill

BY Control Landfill

DATE 00000033

DATE

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME Kemp Rotan TELEPHONE 946-2393

BUILDING/AREA EDL/3000

II. IDENTIFICATION OF MATERIAL

TRADE NAME Pipe Insulation (contains asbestos)

CHEMICAL NAME _____

STORAGE LOCATION 186-D/100-D

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO X

III. PACKAGING

LIQUID _____ SOLID X GAS _____

NUMBER OF CONTAINERS 25 WEIGHT 301bs EA. VOLUME 5cu ft EA.

TYPE OF CONTAINER heavy plastic AGE OF CONTAINER New

IV. REASON FOR DISPOSAL

Surplus pipe is being excessed to ARICO storage yard and was stripped of insulation prior to shipment.

V. DATE DISPOSAL REQUIRED

5/1/76

VI. COMMENTS

We are cognizant of 40 CFR 61 and will conform to requirements specified. Two notes of interest in this case are (1) material requiring disposal is less than the amount specified in section 61.22 (1) (i) and (2) BNL feels there is a danger of exposure (occupational and environmental) if we must transfer containers to a water source, open bags, add water, and add weight to the plastic bags.

APPROVED FOR DISPOSAL

BY [Signature]

DATE 5-29-76

DISPOSAL LOCATION Asbestos Trench

BY Central Laundry 0000034

DATE _____

Internal Distribution
PFX Dunigan
GA Halseth
File/LB

Date September 10, 1976

To JL Calder

From TJ McLaughlin

Subject Asbestos Disposal Request

BNW has approximately 150 cubic feet of waste asbestos to be disposed. This waste was identified in a "Request for Disposal of Nonradioactive Hazardous Material" sent to you some time ago.

We realize that EPA has recently promulgated rules and regulations concerning disposal of hazardous material. We would appreciate action on this matter as soon as possible since the material constitutes a public health hazard.

TJM:mg

UNITED STATES
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION
RICHLAND OPERATIONS OFFICE
P. O. BOX 500
RICHLAND, WASHINGTON 99352

September 24, 1976

Atlantic Richfield Hanford Company
Richland, Washington

ATTN: John L. Calder
Environmental and Occupational
Safety Department

Gentlemen:

PNL ASBESTOS DISPOSAL REQUEST

You may proceed with disposal of the drybagged asbestos waste per our telephone conversation. We have discussed the situation with RL-Safety, and they concur that no attempt should be made to wet the drybagged asbestos because of the potential for airborne release. Take extra precautions as warranted.

Very truly yours,

Paul F. X. Dunigan, Jr.

Paul F. X. Dunigan, Jr.
Environmental Scientist
Environmental Affairs Branch, ELP

ELP:PFXD

cc: J. H. Warren, ARHCO
T. J. McLaughlin, PNL

0000036

September 30, 1976

Battelle Memorial Institute
Pacific Northwest Laboratories
Richland, Washington 99352

Attention: Mr. T. J. McLaughlin, Engineer
Environmental Evaluations/Waste Disposal
Occupational & Environmental Safety

Subject: PNL ASBESTOS DISPOSAL REQUEST

Gentlemen:

Attached are the approvals for disposal of the dry bagged asbestos. You may consult with your safety group about any extra precautions that are necessary. Contact Mr. M. E. Clark at 942-6178 when you are ready for transportation and disposal. Please ensure that Mr. Clark and his personnel are aware of any safety precautions necessary for safe handling while performing their duties.

Very truly yours,



J. L. Calder
Environmental Protection Engineer

JLC:pvb

Atts. (3)

cc: w/atts.
PFX Dunigan, Jr., ERDA-RL

bcc: ME Clark, w/atts.
JT Funk "
RI Grob "
BJ McMurray "
VR Weil "

0000037

✓
REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME Kemp Rotan TELEPHONE 946-2393

BUILDING/AREA EDL/3000

II. IDENTIFICATION OF MATERIAL

TRADE NAME Pipe Insulation(contains asbestos)

CHEMICAL NAME _____

STORAGE LOCATION 186-D/100-D

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO X

III. PACKAGING

LIQUID _____ SOLID X GAS _____

NUMBER OF CONTAINERS 25 WEIGHT 30lbs./EA. VOLUME 5cu ftEA.

TYPE OF CONTAINER heavy plastic AGE OF CONTAINER New

IV. REASON FOR DISPOSAL

Surplus pipe is being excessed to ARICO storage yard and was stripped of insulation prior to shipment.

V. DATE DISPOSAL REQUIRED

5/1/76

VI. COMMENTS

We are cognizant of 40 CFR 61 and will conform to requirements specified. Two notes of interest in this case are (1) material requiring disposal is less than the amount specified in section 61.22 (1) (i) and (2) BNW feels there is a danger of exposure (occupational and environmental) if we must transfer containers to a water source, open bags, add water, and add weight to the plastic bags.

APPROVED FOR DISPOSAL

BY [Signature]

DATE 5-29-76

DISPOSAL LOCATION Atlanta Trench

BY [Signature] 0000035

DATE _____

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME Kemp Rotan TELEPHONE 946-2393

BUILDING/AREA EDL/3000

II. IDENTIFICATION OF MATERIAL

TRADE NAME "Thermal Bestos"

CHEMICAL NAME Asbestos

STORAGE LOCATION 186-D

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES NO X

III. PACKAGING

LIQUID SOLID X GAS

NUMBER OF CONTAINERS WEIGHT EA. VOLUME 150.3 (total) EA.

TYPE OF CONTAINER Presently in card-board AGE OF CONTAINER ~ 5 years

IV. REASON FOR DISPOSAL

Unused pieces of asbestos

V. DATE DISPOSAL REQUIRED

May 31, 1976

VI. COMMENTS

This waste unused pieces of asbestos that is not used in present operations.

APPROVED FOR DISPOSAL

BY [Signature]

DATE 12-29-76

DISPOSAL LOCATION Asbestos Trench

BY [Signature] 0000039

DATE

Telephone 509 942 7411

JLC 4

September 30, 1976

Battelle Memorial Institute
Pacific Northwest Laboratories
Richland, Washington 99352

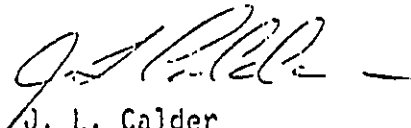
Attention: Mr. T. J. McLaughlin, Engineer
Environmental Evaluations/Waste Disposal
Occupational & Environmental Safety

Subject: PNL ASBESTOS DISPOSAL REQUEST

Gentlemen:

Attached are the approvals for disposal of the dry bagged asbestos. You may consult with your safety group about any extra precautions that are necessary. Contact Mr. M. E. Clark at 942-6178 when you are ready for transportation and disposal. Please ensure that Mr. Clark and his personnel are aware of any safety precautions necessary for safe handling while performing their duties.

Very truly yours,



J. L. Calder
Environmental Protection Engineer

JLC:pvb

Atts. (3)

cc: w/atts.
PFX Dunigan, Jr., ERDA-RL

bcc: ME Clark, w/atts.
JI Funk "
RI Grob "
BJ McMurray "
VR Weil "

0000040

UNITED STATES
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION
RICHLAND OPERATIONS OFFICE
P. O. BOX 550
RICHLAND, WASHINGTON 99352

September 24, 1976

Atlantic Richfield Hanford Company
Richland, Washington

ATTN: John L. Calder
Environmental and Occupational
Safety Department

Gentlemen:

PNL ASBESTOS DISPOSAL REQUEST

You may proceed with disposal of the drybagged asbestos waste per our telephone conversation. We have discussed the situation with RL-Safety, and they concur that no attempt should be made to wet the drybagged asbestos because of the potential for airborne release. Take extra precautions as warranted.

Very truly yours,

Paul F. X. Dunigan, Jr.

Paul F. X. Dunigan, Jr.
Environmental Scientist
Environmental Affairs Branch, ELP

ELP:PEXD

cc: J. H. Warren, ARHCO
T. J. McLaughlin, PNL

0000041

Internal Distribution
PFX Dunigan
GA Halseth
File/LB

Date September 10, 1976

To JL Calder

From TJ McLaughlin

Subject Asbestos Disposal Request

BNW has approximately 150 cubic feet of waste asbestos to be disposed. This waste was identified in a "Request for Disposal of Nonradioactive Hazardous Material" sent to you some time ago.

We realize that EPA has recently promulgated rules and regulations concerning disposal of hazardous material. We would appreciate action on this matter as soon as possible since the material constitutes a public health hazard.

TJM:mg

0000042



UNITED STATES
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION
RICHLAND OPERATIONS OFFICE
P. O. BOX 550
RICHLAND, WASHINGTON 99352

September 24, 1976

Atlantic Richfield Hanford Company
Richland, Washington

ATTN: John L. Calder
Environmental and Occupational
Safety Department

Gentlemen:

PNL ASBESTOS DISPOSAL REQUEST

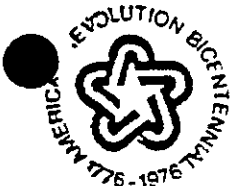
You may proceed with disposal of the drybagged asbestos waste per our telephone conversation. We have discussed the situation with RL-Safety, and they concur that no attempt should be made to wet the drybagged asbestos because of the potential for airborne release. Take extra precautions as warranted.

Very truly yours,

Paul F. X. Dunigan, Jr.
Environmental Scientist
Environmental Affairs Branch, ELP

ELP:PFXD

cc: J. H. Warren, ARHCO
T. J. McLaughlin, PNL



0000043

JLC

September 30, 1976

Battelle Memorial Institute
Pacific Northwest Laboratories
Richland, Washington 99352

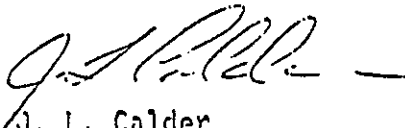
Attention: Mr. T. J. McLaughlin, Engineer
Environmental Evaluations/Waste Disposal
Occupational & Environmental Safety

Subject: PNL ASBESTOS DISPOSAL REQUEST

Gentlemen:

Attached are the approvals for disposal of the dry bagged asbestos. You may consult with your safety group about any extra precautions that are necessary. Contact Mr. M. E. Clark at 942-6178 when you are ready for transportation and disposal. Please ensure that Mr. Clark and his personnel are aware of any safety precautions necessary for safe handling while performing their duties.

Very truly yours,



J. L. Calder
Environmental Protection Engineer

JLC:pvb

Atts. (3)

cc: w/atts.
PFX Dunigan, Jr., ERDA-RL

bcc: ME Clark, w/atts.
JT Funk "
RI Grob "
BJ McMurray "
VR Weil "

0000044

911200073

DISPOSAL PACKET NUMBER

P76-016

9114200379

✓ REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME J. J. Hagan TELEPHONE 2-2746

BUILDING/AREA 2713 E / 200-E / ARHCO

II. IDENTIFICATION OF MATERIAL

TRADE NAME See Attached list

CHEMICAL NAME _____

STORAGE LOCATION _____

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO _____

III. PACKAGING See Attached list

LIQUID _____ SOLID _____ GAS _____

NUMBER OF CONTAINERS _____ WEIGHT _____ EA. VOLUME _____ EA.

TYPE OF CONTAINER _____ AGE OF CONTAINER _____

IV. REASON FOR DISPOSAL

Unusable

V. DATE DISPOSAL REQUIRED

ASAP

VI. COMMENTS

APPROVED FOR DISPOSAL

BY J. J. Hagan

DATE 9-3-76

DISPOSAL LOCATION Chemical Landfill

BY Central Landfill

DATE _____ 000002S

1. Caustic soda beads, Pels 180, solidified in 55-gallon drum.
2. Fabrifilm, Turco products, 55-gallon drums, thickened.
3. Fabrifilm, HF modified, Turco products, as above.
4. Turco 4306C, decontaminant, solidified in 55-gallon drum.

5. Also, some quantities of Turco 4306 B and D in 100# fiber drums. *(ONE 55-gal drum with 100 lbs Turco; 17 fiber drums in plastic bags with 100 lbs of Turco in each drum).*
6. Sodium sulfate, U.S. Borax, anhydrous, broken sacks, spilled. *(Five 55-gal drums; 1300# sodium nitrate).*
7. Sodium persulfate, FMC brand, anhydrous, as above. *(Two 55-gal drums; 200#)*
8. Sodium sulfite, Stauffer, anhydrous, as above. *(Two 55-gal drums; 600 lbs sulfite)*

→ 8 - 55 gal drums on one pallet

17 - Fiber drums (in plastic bags) on one pallet

25 pieces - - - - - on two pallets

Shipped to Central Landfill, chemical trench
on October 28, 1976

0000029



Date: September 8, 1976

To: J. J. Hogan

From: J. L. Calder, 2-2251

Subject: DISPOSAL OF HAZARDOUS WASTE CHEMICALS

I have approved of the disposal of the waste chemicals on the attachment. Please ensure that items one through four cannot leak and label them to indicate that they contain very hazardous chemicals. Extreme caution must be used when handling any of these chemicals. Encase the fiber drums listed in item five in heavy plastic bags after they have been labeled as hazardous chemicals to ensure that they do not leak. For items six, seven, and eight you will need to line a 55 gallon drum with a plastic bag and transfer these items to the drum(s), seal, and label as above.

When you are ready for disposal contact Mr. M. E. Clark, 2-6178, for burial. The request for disposal must accompany the waste chemicals.

JLC:mmm

Att.

cc: JL Calder (2), w/att.
ME Clark, w/att.
JV Panesko, w/o att:

0000030

DISPOSAL PACKET NUMBER

P76-017

9112710933

✓
REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME M. Partida TELEPHONE 2-2318

BUILDING/AREA 274-W / 200-W

II. IDENTIFICATION OF MATERIAL

TRADE NAME Misc. Paint

CHEMICAL NAME _____

STORAGE LOCATION 2713-WB

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO ☒

III. PACKAGING see Attachment

LIQUID ☒ SOLID ☒ GAS _____

NUMBER OF CONTAINERS 3 WEIGHT _____ EA. VOLUME 3 EA.

TYPE OF CONTAINER Metal AGE OF CONTAINER < 2-yrs.

IV. REASON FOR DISPOSAL

unusable

V. DATE DISPOSAL REQUIRED.

ASAP

VI. COMMENTS

APPROVED FOR DISPOSAL

BY J. Hall

DATE 10-28-76

DISPOSAL LOCATION Clean French

Central Landfill

BY _____

DATE _____

0000045

Inventory

<u># containers</u>	<u>Vol.</u>
78	1 gal.
19	5 gal.
10	1 pint

<u>Item</u>
Misc. Paint
Misc. Paint
epoxy hardener

0000049

DISPOSAL PACKET NUMBER

P76-018

9112-10096

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

sent out 12/9/76

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME J. L. GREEN (BNW) TELEPHONE 942-3128

BUILDING/AREA 325 / 300 / Room 600

II. IDENTIFICATION OF MATERIAL

TRADE NAME HYDRAZINE

CHEMICAL NAME HYDRAZINE

STORAGE LOCATION 325-A/300/ROOM 601

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES NO X

III. PACKAGING

LIQUID X SOLID GAS

NUMBER OF CONTAINERS 2 WEIGHT 10 LB. EA. VOLUME 5 L. EA.

TYPE OF CONTAINER POLY BOTTLE AGE OF CONTAINER 4 YEARS

IV. REASON FOR DISPOSAL

SOLUTION DEPLETED

V. DATE DISPOSAL REQUIRED

ASAP

VI. COMMENTS

AVOID SKIN CONTACT, INHALATION, OR INGESTION. ① PUT EACH POLY BOTTLE INTO A PLASTIC BAG & SEAL BAG. ② PLACE BOTH CONTAINERS IN A 55-GALLON DRUM. ③ FILL VOID SPACES WITH FEMICULITE. ④ SEAL 55-GALLON DRUM SHUT

APPROVED FOR DISPOSAL

DATE 12/9/76

DISPOSAL LOCATION CHEMICAL TRENCH

CENTRAL LANDFILL (ARHC)

BY

DATE

0000054

DISPOSAL PACKET NUMBER

P76-019

3
6
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85
90
95
100

✓
REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

12/3/76

NAME M. R. WEILER (HEDL) TELEPHONE 942-3705

BUILDING/AREA 325 Bldg 300 Area

II. IDENTIFICATION OF MATERIAL

TRADE NAME _____

CHEMICAL NAME 1,3,5-TRINITROBENZENE

STORAGE LOCATION 325 Bldg 415

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO ☒

III. PACKAGING

LIQUID _____ SOLID X GAS _____

NUMBER OF CONTAINERS 1 WEIGHT 5 1/2 # EA. VOLUME 1/2 gal EA.

TYPE OF CONTAINER METAL AGE OF CONTAINER new

IV. REASON FOR DISPOSAL

remove explosive chemical no longer in use from
laboratory

V. DATE DISPOSAL REQUIRED

ASAP

VI. COMMENTS - → TRANSPORT WITH CARE **DO NOT DROP!!**

TNB IS EXPLOSIVE. DO NOT EXPOSE TO HIGH HEAT OR SHOCK.
MIX 100 PARTS OF SAND TO 1 PART TNB, SEAL IN A METAL
CONTAINER. THIS A VERY SMALL AMOUNT ~ 25 GRAMS.

APPROVED FOR DISPOSAL

BY RJ Carick

DATE 12/10/76

DISPOSAL LOCATION CHEMICAL TRENCH

BY _____

DATE _____

CENTRAL
LAND-
FIL

0000055

Atlantic Richfield Hanford Company
Federal Building
Richland, Washington 99352
Telephone 509 942-7411



December 13, 1976

Hanford Engineering Development Laboratory
Richland, Washington 99352

Attention: Mr. M. R. Weiler

Reference: Request for Disposal of Hazardous Material

Gentlemen:

I have reviewed your Request for Disposal of Hazardous Material and have approved it upon meeting the following conditions. The trinitrobenzene contingent (25 grams) should first be mixed with an inert material (sand) in the rate of 100 parts sand to one part TNB. This mixture should be sealed in a metal container.

Arrangements for transportation can be made through the Transportation, Utilities and Maintenance Division. Your contact in that division is Mr. M. E. Clark (2-6178). He should be able to assist you in arranging an acceptable time for removal of the container from the 325 Building.

Please include the approved Request for Disposal of Hazardous Material with the shipment to the Central Landfill to be signed by the operator disposing the material, and then returned to me at the Environmental Protection Section.

Very truly yours,

D. J. Carrell
Environmental Protection Engineer

DJC:s1m

0000056

DISPOSAL PACKET NUMBER

P76-020

9112113391

✓ REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME L. J. Just TELEPHONE 2-3012
BUILDING/AREA 325/300

II. IDENTIFICATION OF MATERIAL

TRADE NAME Dibutyl Carbitol
CHEMICAL NAME Dibutyl ether of diethylene glycol
STORAGE LOCATION 325 Bldg Rm 527
CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO X

III. PACKAGING

LIQUID X . SOLID _____ GAS _____
NUMBER OF CONTAINERS 1 WEIGHT _____ EA. VOLUME 55gal EA.
TYPE OF CONTAINER _____ AGE OF CONTAINER _____

IV. REASON FOR DISPOSAL

Intended use no longer exists

V. DATE DISPOSAL REQUIRED

12/29/76

VI. COMMENTS

New - never opened.

APPROVED FOR DISPOSAL

BY D. G. Carver

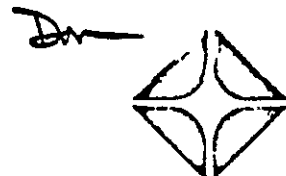
DATE 12/14/76

DISPOSAL LOCATION _____

BY _____
DATE _____

0000057

Atlantic Richfield Hanford Company
Federal Building
Richland, Washington 99352
Telephone 509 942-7411



December 14, 1976

Hanford Engineering Development Laboratory
Richland, Washington 99352

Attention: Mr. L. E. Lust

Reference: Request for Disposal of Hazardous Material

Gentlemen:

I have approved your Request for Disposal of Hazardous Material for one 55-gallon drum of Dibutyl Carbitol. Transportation arrangements should be made through M. E. Clark (2-6178).

Please include the approved Request for Disposal of Hazardous Material with the material that is sent to the Chemical Trench of the Central Landfill. The operator disposing of the material will sign the form and return it to me at the Environmental Protection Section of Atlantic Richfield Hanford Company. Thank you for your cooperation.

Very truly yours,

D. J. Carrell
Environmental Protection Engineer

DJC:slm

Attachment

cc: ME Clark, w/att.

0000058

DISPOSAL PACKET NUMBER

P76-021

9112773394

✓
REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

12/14/76

NAME Charles Luchterhand TELEPHONE 2-2810

BUILDING/AREA 202-A

II. IDENTIFICATION OF MATERIAL

TRADE NAME ASBESTOS

CHEMICAL NAME ASBESTOS

STORAGE LOCATION NW CORNER 202-A (IN DUMPSTER)

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES NO X

HAVE BEEN
SURVEYED,
NO ACTIVITY

III. PACKAGING

LIQUID SOLID X GAS

NUMBER OF CONTAINERS ~ 25 WEIGHT 40 LBS EA. VOLUME 2 cu ft EA.

TYPE OF CONTAINER DOUBLE PLASTIC BAGS AGE OF CONTAINER NEW BAGS

IV. REASON FOR DISPOSAL

NO LONGER BEING USED

V. DATE DISPOSAL REQUIRED

ASAP

VI. COMMENTS

ASBESTOS IS ALREADY DOUBLE BAGGED & IS CURRENTLY
BEING STORED IN A DUMPSTER AT THE NW CORNER OF PUREX.

APPROVED FOR DISPOSAL

BY dy Conell

DATE 12/14/76

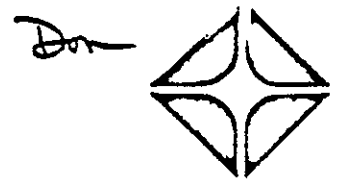
DISPOSAL LOCATION ASBESTOS TRENCH

CENTRAL LANDFILL

BY

DATE

0000059



Date: December 14, 1976
To: C. O. Luchterhand
From: D. J. Carrell *DJ Carrell*
Subject: APPROVED REQUEST FOR DISPOSAL
OF HAZARDOUS MATERIAL

I have approved your request for the disposal of approximately 25 bags of asbestos. I understand they are double bagged and currently stored in a dumpster at the northwest corner of Purex. Arrangements for pickup and disposal should be made through M. E. Clark (2-6178) of TUMS.

Please include the approved Request for Disposal of Hazardous Material with the asbestos sent to the Asbestos Trench of the Central Landfill. The operator disposing of the material will sign the form and return it to me at the Environmental Protection Section. Thank for your cooperation.

DJC:s1m

Attachment

cc: ME Clark, w/att.

0000060

100

P76-022

Atlantic Richfield Hanford Company



Date: October 11, 1976

To: J. V. Panesko

From: N. A. Berube, 2-2675 *N. A. Berube*

Subject: DISPOSAL OF UNUSED ION EXCHANGE RESINS

We presently have an inventory of 1 barrel of unused amberlite anion exchange resin and 2 barrels of Dowex 50 W X 8 cation exchange resin.

These resins have never been brought into the building and they have no known defects. We would simply like to remove them from our store room because of the long time they have been in storage.

We propose to have them buried in the central landfill with your concurrence.

If this burial mode is unacceptable please recommend an alternative that is thought to be safer.

NAB:amr

cc: AH Hinkson
RJ Loberg
D Meese
RL Treat

- 1) Disposal permit: filled out
2) t. ERS
3) *main* *Clark*
Gray → *off* *intl* *slip*

0000050

bcc: H Babad
 DC Bartholomew
 G Burton, Jr.
 J Faulhaber
 JT Funk
 LC Hubbard
 JW Jordan
 DE Kelley
 EJ Kosiancik
 BJ McMurray
 CW Malody
 GC Owens
 JV Panesko(2)
 MF Rice
 RC Roal
 HP Shaw
 TE Sparks
 JH Warren
 AT White (2)
 DD Wodrich
 RA Zinsli
 Central File
 Legal

November 2, 1976

U. S. Energy Research and
 Development Administration
 Richland Operations Office
 Richland, Washington 99352

Attention: Mr. P. G. Rhoades, Director
 Safety and Environmental
 Protection Division

Subject: HANFORD ENVIRONMENTAL COUNCIL REVIEW OF
 NONRADIOACTIVE HAZARDOUS WASTE MANAGEMENT
 Contract EY-76-C-06-2130

Reference: Letter, October 4, 1976, D. M. Smith to
 G. Burton, Jr., same subject (SAF:PFXD)

Gentlemen:

The reference letter requested the following hazardous waste
 management information:

1. Mercury and beryllium are buried with radioactive wastes within the 200 areas. The use of the 200 areas offers two advantages over the central landfill. The 200 areas are at a higher elevation above the groundwater and leaching of soil will be strictly controlled for thousands of years. The radioactive burial sites are fenced and patrolled for greater protection from intrusion than the central landfill.
2. An inventory system for known carcinogens and extremely hazardous materials has been planned for implementation during fiscal year 1977. The inventory system will be similar to that of United Nuclear Industries as described in the report DUN-M-31 "Environmental Control Manual," by T. E. Dabrowski, and would be implemented in ARH-MA-139, "Environmental Protection Standards," which is in preparation.
3. Review of disposal plans should be performed prior to approval for ordering the chemicals. This method would be more specific and more readily controlled than requiring that operational plans and research proposals

*inventory
 system?*

0000051

✓ REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME DON MEESE TELEPHONE 2-2506
BUILDING/AREA 234-5 Z 200. WEST

II. IDENTIFICATION OF MATERIAL

TRADE NAME DOWEX 50W x 8
CHEMICAL NAME Poly-vinyl sulfonated Benzene Cation Exchange Resin-
STORAGE LOCATION So. End. 2727-Z Bldg.
CONTAMINATED WITH RADIOACTIVE MATERIAL? YES NO X

III. PACKAGING

LIQUID SOLID X GAS
NUMBER OF CONTAINERS 3 WEIGHT 210^{lb} EA. VOLUME 5 cu. ft. EA.
TYPE OF CONTAINER Cardboard Drum AGE OF CONTAINER 4 YEARS

IV. REASON FOR DISPOSAL

Part its useful life

V. DATE DISPOSAL REQUIRED.

11-30-76

VI. COMMENTS

The original cardboard drums of the cation exchange resin should be packed in a plastic lined 55-gallon drum w/lid that has all void spaces filled with vermiculite. DTC

APPROVED FOR DISPOSAL
BY Don Carrell

DATE 11/16/76

(Follow requirements
... +.)

DISPOSAL LOCATION Central Land Fill / Chemical Trench

BY W. Clark
DATE 12-29-76

0000052



Date: November 16, 1976
To: D. E. Meese
From: D. J. Carrell *DJ Carrell*
Subject: APPROVED METHOD FOR DISPOSAL OF
UNUSED CATION EXCHANGE RESIN

I have approved your request for disposal of three cardboard drums of unused DOWEX-50WX8 (cation exchange resin). Since the resin is a poly-vinyl sulfonated benzene compound, it will be necessary to place each cardboard drum into a plastic-lined 55-gallon metal drum. The void spaces between the plastic liner and the inserted cardboard drum of resin should be filled with vermiculite. I have indicated on the disposal request form that this material will be placed in the Chemical Trench of the Central Landfill. Arrangements for pickup of the material to be disposed of should be made through ME Clark (2-6178) of TUMS. Please make sure that a copy of the attached "Request for Disposal of Non-Radioactive Hazardous Material" accompanies the material to the Central Landfill so the disposal can be properly documented.

DJC:s1m

cc: ME Clark, w/att
JV Panesko

0000053

DISPOSAL PACKET NUMBER

P76-023

911210102

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection. *PLEASE PRINT*

I. CUSTODIAN

NAME E. R. CARPENTER TELEPHONE 2-2606
BUILDING/AREA 2704-10

II. IDENTIFICATION OF MATERIAL

TRADE NAME 2 GASOLINE STORAGE TANKS (NOT IN USE
CHEMICAL-NAME FOR PAST 10-15 YEARS)
STORAGE LOCATION EAST & WEST FILLING STATIONS
CONTAMINATED WITH RADIOACTIVE MATERIAL? YES NO X

III. PACKAGING

LIQUID SOLID X GAS
NUMBER OF CONTAINERS 2 WEIGHT ~ 1000 LB VOLUME 2000 gal
TYPE OF CONTAINER AGE OF CONTAINER

IV. REASON FOR DISPOSAL

BOTH TANKS WERE LEAKERS, NO LONGER USED, NO LONGER
NEEDED

V. DATE DISPOSAL REQUIRED

ASAP

VI. COMMENTS

WILL BE PLACED
JA JONES WILL TRANSPORT TO LANDFILL; DRY ICE INSIDE TANK PRIOR
TO TRANSPORT; EXPLOSIVE GAS TEST BEFORE BURIAL (GEORGE GOOCH 2-2627)
CURRENT EXPLOSIVE GAS TESTS ARE NEGATIVE; LEAVE VENT
CAPS OFF WHEN BURIED.

APPROVED FOR DISPOSAL
BY Don Carlier

DATE 12/22/76

DISPOSAL LOCATION Central Landfill (29.00 - 15:30)

BY M. Clark
DATE 12-29-76

0000061